

KONDRAT'YEV, N.Ya., general-major aviatsii, voyennyy shturman pervogo
klassa

Senior navigator. Vest.Vozd.Fl. no.7:44-48 J1 '60.
(MIRA 13:7)
(Navigation(Aeronautics))

KONDRAT'YEV, Nikolay Yakovlevich; MEDVEDEV, I.M., gvardii podpolkovnik,
red.; KUZ'MIN, I.P., tekhn.red.

[Orientation by stars] Orientirovka po zvezdam. Moskva,
Voen.izd-vo M-va obor.SSSR, 1961. 94 p.

(MIRA 15:2)

(Navigation (Aeronautics))
(Astronomy, Spherical and practical)

ACC NR: NM6024643

Monograph

UR/

Kondrat'yev, N. Ya. (Major General of the Air Force); Odintsov, V. A. (Colonel), eds.
Handbook on astronautics (Spravochnik po kosmonavtike) Moscow, Voenizdat M-va obor.
SSSR, 1966. 328 p. illus., tables. Errata slip inserted. 15,000 copies printed.

TOPIC TAGS: orbit trajectory, interplanetary trajectory, astronaut training, space-
craft, space navigation

PURPOSE AND COVERAGE: This handbook was compiled for scientists working in rocketry
and space technology and for the reader interested in space exploration. Basic
theories on space travel and space navigation are presented as well as theories on
interplanetary travel. There are detailed discussions of space trajectories and
vehicles. Included are illustrations of several interplanetary trajectories.
Types of engines used in spacecraft and rockets, their characteristics, and types
of fuels used are illustrated in tabular form. Most Soviet spacecraft are generally
described and classified according to their applications, and basic data are given.
Data is presented on distant planets and their characteristics. Descriptions are
given of manned space travel, preparation and training for such travel, the problems
of weightlessness and life support in space, and the reliability of and necessity
for space suits. The handbook was prepared by the following candidates of tech-
nical sciences: N. Ya. Kondrat'yev, (Chapter I); V. M. Denin (Chapter II);
L. M. Vorob'yev (Chapter V, and parts 15 and 16 of Chapter III); G. G. Bebenin
(Chapter VI, and parts 13 and 14 of Chapter III); V. A. Odintsov (Chapter IV and X);

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ACC NR: AM6024643

V. N. Vasilinin (Chapter VIII, parts 17 and 18 of Chapter III, and parts 43, 44, and 48 of Chapter IX); Candidate of Military Sciences N. A. Lopatkin (parts 36 and 37 of Chapter VII, and parts 45, 46 and 47 of Chapter IX); Doctor of Medical Sciences A. M. Genin (parts 34, 35 and 38 of Chapter VII). The book has 47 tables and 117 illustrations.

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SUB CODE: 22/ SUBM DATE: 20Jan66/
Card 2/2

KONDRAT'YEV, N.Ye., kandidat tekhnicheskikh nauk; ANDREYANOV, V.G.,
kandidat tekhnicheskikh nauk, redaktor; SHATILINA, M.K., re-
daktor; BRAYNIKA, M.I., tekhnicheskiy redaktor.

[Calculation of wind movements and changes in reservoir banks]
Raschety vetrovogo volneniya i pereformirovaniia beregov vodo-
khranilishch. Pod red. V.G.Andreianova. Leningrad, Gidrometeoro-
logicheskoe izd-vo, 1953. 106 p. [Microfilm] (MIRA 8:2)
(Reservoirs) (Winds) (Waves)

KONDRAT'YEV, N.Ye.

Forecast of the re-forming of shores of reservoirs under the action
of wind waves. Trudy GGI no.56:5-26 '56. (MLRA 10:8)
(Reservoirs) (Waves)

SOV/124-57-9-10690

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 123 (USSR)

AUTHORS: Makrinova, O. V., Kondrat'yev, N. Ye.

TITLE: An Experimental Investigation of Wave-energy Losses in a Permeable Bottom Layer (Eksperimental'noye issledovaniye poter' volnovoy energii v fil'truyushchem podstilayushchem sloye)

PERIODICAL: Tr. Gos. gidrolog. in-ta, 1956, Nr 56(110), pp 27-35

ABSTRACT: A description of methods and results of experimental investigations into wave-energy losses in a permeable layer of bottom (bed) deposits. The damping of oscillations of a standing wave was observed in a glass trough 43 cm wide and 40 cm high. The experimental results are presented in the form of graphs of wave-energy losses as a function of the wave amplitude and as a function of the depth of the permeable layer. The experiments corroborate the theoretical postulate on the appearance of wave-energy losses in the process of seepage in a layer adjacent to the bed. Since the results of the experiment (in the case of depth $H > 150$ mm) are in relatively satisfactory agreement with the theoretical formula (in the case of a progressive wave)

Card 1/2

SOV/124-57-9-10690

An Experimental Investigation of Wave-energy Losses in a Permeable (cont.)

$$R = \frac{\pi \gamma K \tau a^2}{\cosh^2 kH} \tanh kP$$

the authors are of the opinion that, for the time being, no empirical correction factors are needed in that formula. Bibliography: 10 references.

M. V. Filinov

Card 2/2

KONDRA'T'YEV, N. YE.

KONDRA'T'YEV, N. Ye. kandidat tekhnicheskikh nauk (Leningrad).

Recurrence of big floods in Leningrad. Priroda 46 no.5:127-128
May '57.
(MLR 10:6)

1. Starshiy nauchnyy sotrudnik Gosudarstvennogo gidrologicheskogo
instituta.
(Leningrad--Floods)

KONDRAK'YEV, N.Ye.

PAGE 1 BOOK INFORMATION

507/1931

3 (3.7) **Vesninizm gidrologicheskii s'ezd.** M., Izdatgiz, 1957.
Vesninizm gidrologicheskii s'ezd. Vneshnaya i planetarnaya doklad. (Transactions
of the All-Union Hydrological Convention, Vol. 1: General Information,
of the Planetary and Planetary Reports) Izdatgiz, Gidrometeorolit, 1959. 242 p.

Materialy s'ezda. 2,000 copies printed.

Editor: V.A. Utrayev; Ed.: N.V. Grossman; Tech. Ed.: A.B. Serov.

PURPOSE: The book is intended for scientists engaged in the field of hydrology, hydrodynamics, hydrogeology and general hydrology.

CONTENTS: This is the first of ten volumes to be issued by the Hydro-meteorological Service on the All-Union Hydrological Convention which took place in Tashkent in October 1957. It reports on the preparation of and the actual proceedings of the convention, the decisions taken in planetary and departmental meetings, the planetary metereological and planetary reports. It provides a complete list of the reports brought up for discussion, and the names of the organizations which participated in the convention, and a complete list of the 1250 scientists who participated together with their affiliations. This volume was prepared for publication in the *Gidrometeorologicheskii otdel nauchno-tekhnicheskikh nauchno-issledovaniy* (Institute of Geodesy, Hydrology and Meteorology) by candidates of Geodesical Sciences O.S. Boroduk, Logicheskaya Saitintseva, by candidates of Geodesical Sciences of Technical Sciences V.A. Utrayev, V.V. Popov, and O.A. Spranger under the editorship of Candidate of Technical Sciences V.A. Utrayev. There are no references given.

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KONDRAT'YEV, Nikolay Yevgen'yayich, kand.tekhn.nauk; LYAPIN, Aleksey
Nikolayevich, kand.tekhn.nauk; POPOV, Igor' Vladimirovich,
kand.geogr.nauk; PIN'KOVSKIY, Stepan Iosifovich, mladshiy
nauchnyy sotrudnik; FEDOROV, Nikolay Nikolayevich, kand.tekhn.
nauk; YAKUNIN, Ivan Ivanovich, kand.tekhn.nauk; GROSMAN, R.V.,
red.; VLADIMIROV, O.G., tekhn.red.

[Channel process] Rusalovoi protsess. Pod red. N.E.Kondrat'eva.
Leningrad, Gidrometeor.izd-vo, 1959. 370 p. (MIRA 13:1)
(Hydrology)

KONDRAT'YEV, Nikolay Yevgen'yevich, starshiy nauchnyy sotrudnik;
CHEBOTAREV, A.I., otv.red.; CHEPILKINA, L.A., red.;
YASNOGORODSKAYA, M.M., red.; SERGELEV, A.N., tekhn.red.

[Design of reservoir coast changes; practical manual] Raschety
beregovykh pereformirovani na vodokhranilishchakh; prakticheskoe
posobie. Leningrad, Gidrometeor.izd-vo, 1960. 62 p.
(MIRA 14:1)

1. Gosudarstvennyy hidrologicheskiy institut (for Kondrat'yev).
(Coast changes) (Reservoirs)

PUSHEK, B.S., kand. geogr. nauk; POPOV, I.V., kand. geogr. nauk; OBRAZTSOV, I.N., inzh.; FEDOROV, N.N., kand. tekhn. nauk; GRUSHEVSKIY, M.S., kand. tekhn. nauk; KRIVOSHEY, B.Z., inzh.; POPOV, O.V., star. nauchnyy sotr.; PIKUSH, N.V., kand. tekhn. nauk; LEVIN, A.G., kand. tekhn. nauk; ZHIDIKOV, A.P., inzh.; GAVRILOV, A.M., kand. geogr. nauk; KONDRAT'YEV, N.Ye., kand. tekhn. nauk, red.; URYVAYEV, V.A., kand. tekhn. nauk, red.; SHATILINA, M.K., red.; SOLOVEYCHIK, A.A., tekhn. red.

[Investigation of unsteady flow of water in the Tvertsa and Oredezh Rivers] Issledovaniia neustanovivshegosia dvizhenia vody na rekakh Tvertse i Oredezh. Pod red. N.E.Kondrat'eva i V.A.Uryvaeva. Leningrad, Gidrometeor. izd-vo, 1961. 287 p. 6 charts (in pocket)

(MIRA 14:8)

1. Leningrad. Gosudarstvennyy gidrologicheskiy institut.
(Tvertsa River—Hydrology) (Oredezh River—Hydrology)

KONDRAT'YEV, N.Ye., kand. tekhn. nauk, red.; URYVAYEVA, V.A.,
kand. tekhn. nauk, red.; SHATILINA, M.K., red.; VOLKOV,
N.V., tekhn. red.; SERGEYEV, A.N., tekhn. red.

[Study of unsteady flow on the Svir' River under winter
and summer conditions] Issledovaniia neustanovivshegosia
dvizheniya vody na reke Svir'i v zimnikh i letnikh usloviakh.
Pod red. N.E.Kondrat'eva, i V.A.Uryvaeva. Leningrad, Gid-
roneteoizdat, 1963. 250 p. (MIRA 16:11)

1. Leningrad. Gosudarstvennyy gidrologicheskiy institut.
(Svir' River--Hydrology)

KONDRAT'YEV, N.Yo.

Kinematic structure of a stream with a sand wave structure
of the bottom. Trudy OOI no.116;3-18 '64. (MIRA 17;12)

KOMDRATYEV, O. K.

"On Some Preliminary Results of Seismoglaciological Investigations
on the Antarctic Continent."

Paper Presented at CSAGI Meeting, 30 Jul -9 Aug 56, Moscow
Available in Library

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2

KONDRAT'YEV, O.; SOROKHTIN, O.

How the Antarctic ice was measured. IUn.tekh. 4 no.1:
13-15 Ja '60. (MIRA 13:5)
(Antarctic regions--Ice)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2"

AUTHORS:

Sorokhtin, O. G., Kondrat'yev, O. K.,
Avsyuk, Yu. N.S/030/60/000/03/004/044
B015/B008

TITLE:

Structure of the Eastern Antarctica in the Light of New Data

PERIODICAL:

Vestnik Akademii nauk SSSR, 1960, Nr 3, pp 31-35 (USSR)

TEXT: On the basis of scientific investigation results of the International Geophysical Year, the authors describe the icecap of the Antarctica and its substratum. These investigations were carried out by the 2nd and 3rd Multipurpose Antarkticheskaya ekspeditsiya (Antarctic Expedition) in 1956-1958 over a section of 2,100 km length between the observatoriya Mirnyy (Observatory Mirnyy) and the stantsiya Polyus nedostupnosti (Station Pole of Inaccessibility) (Fig 1). A longitudinal section of the icecap was made on the basis of comprehensive seismic and gravimetric investigations (Fig 2). In 1959 a ridge was named the "podlednyye gory Golitsyna" ("Subglacial Golitsyn Mountains") in honor of Academician B. B. Golitsyn, the "podlednaya ravnina Shmidta" ("Subglacial Schmidt Plain") in honor of Academician O. Yu. Shmidt and the "podlednyye gory Gamburtseva" ("Subglacial Gamburtsev Mountains") in honor of Academician G. A. Gamburtsev, the position of which is shown in figure 1. A longitudinal section of the earth's crust along the profile Mirnyy - Polyus nedostupnosti (Mirnyy - Pole of Inaccessibility) is ✓

C1 Card 1/2

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3.600

AUTHORS: Sorokhtin, O.G., Kondrat'yev, O.K. and Avsyuk, Yu.N.

S/049/60/000/03/004/019
E131/E691

TITLE: Methods and Main Results of Seismic and Gravimetric Investigations of the East Antarctic

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, Nr 3,
pp 396-401 (USSR)

ABSTRACT: The investigations were carried out by the second and third Antarctic Expeditions (KAE) as a part of the programme of the I.G.Y. The expeditions penetrated to a distance of 2100 km along the route Mirnyy-Komsomolskaya - the Pole of Inaccessibility. Seismic measurements were taken at 70 points and the gravimetric ones at 84 points (gravimetric results of the third expedition only are reported here). The results of the measurements are shown in Fig 1. According to the gravimetric anomalies, the heights of the rock foundations are as follows. For the first 200 km of the route the base of the ice cover lies approximately at the sea level. Between 200 and 400 km the underlying rocks rise to 600-700 m forming a plateau. A deep canyon 1130 m below sea level was discovered at a distance of about 500 km along the route where the thickest ice cover was found

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S/049/60/000/03/004/019
E131/E691

Methods and Main Results of Seismic and Gravimetric Investigations of the
East Antarctic

(4060 m). At distances of 550 to 1000 km no excessive heights were found. Beyond the Komsomol'skaya station, the rock foundation rises with some ranges reaching a height of 3000 m (at 1700 km). In this region the ice cover reaches 4000 m. The rock height decreases down to 800 m at the end of the route. From the seismic data and the interpretation of the gravitational field, it was concluded that the area has a definite continental character. The thickness of the crust at the central portion of the route was calculated as 18 km greater than that at the coastal area near the station Mirnyy. There are 1 figure and 7 Soviet references.

ASSOCIATION: Adademiya nauk SSSR, institut fiziki zemli (Academy of Sciences USSR,
Institute of Physics of the Earth)

SUBMITTED: July 2, 1959

✓

Card 2/2

S/169/61/000/011/017/065
D228/D304

AUTHORS: Yepinat'yeva, A.M., and Kondrat'yev, O.K.

TITLE: Experimental use of high-frequency apparatus in
studying the Palaeozoic basement of Western Siberia

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1961, 21,
abstract 11A195 (Tr. In-ta fiz. Zemli AN SSSR, no.
12 (179), 1960, 68 - 83)

TEXT: The possibility was shown for the use of the 80 - 120 c/s
frequency band for recording waves refracted from boundaries occur-
ring at a depth of approximately 500 m. Observations with a high-
frequency apparatus (a BYCC-22 (VChSS-22) station) were conducted
jointly with observations from a standard middle-frequency appara-
tus (CC-26-51-D (SS-26-51-D)) and 'ЭХО'-1 (EKhO-1) stations). It
follows from a comparison of seismograms that the recording of the
HF-stations is rarefied better than the recording of the MF-station.
Thanks to this, a greater number of waves is distinguished on the
HF-seismograms, the wave changes are reflected more clearly, and ✓
HF-seismograms, the wave changes are reflected more clearly, and

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S/169/61/000/012/043/089
D228/D305

AUTHORS:

Kondrat'yev, O. K., Lopatin, S. S., and
Manilov, S. A.

TITLE:

The procedure and some preliminary results of
seismo-glaciologic investigations in Antarctica

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1961,
61, abstract 12V435 (V sb. Sov. antarkt.
ekspeditsiya. 10. L., Morsk. transport, 1960,
37-95)

TEXT: The seismic group of the intra-continental detachment
of the Soviet Antarctic Expedition conducted large-scale seismic
work on the determination of the ice thickness and on the study
of the physico-mechanical properties of ice in 1956-1957. A
block version of the type CC-26-51-D (SS-26-51-D) seismic sta-
tion, a portable ПСС-24-П (PSS-24-P) station, and СПМ-16A
(SPM-16A) and СПЭД-56 (SPED-56) seismographs were used in the

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D228/D305

The procedure and some...

work. The performance of the instruments was sufficiently stable. The explosion holes were bored by YUB-1 (UShB-1) auger machine to a depth of up to 100 m. Communication with the seismic station was made by wires and by radio. The operations were conducted in the coastal area and on the Mirny-Pionerskaya profile. The investigational procedure is stated in detail, and the conclusion is drawn about the expediency of applying the reflection method and the high- and middle-frequency modifications of the correlation refraction method for studying the ice-sheet's structure. The most promising method for combating the interference is to deepen the charge to 20 - 30 m. The mean effective velocity of wave propagation comprises 3760 m/sec. in the ice and 5600 - 5830 m/sec. in the basement. Waves reflected from the surface of morainic ice were recorded. The characteristics of the recorded waves are given, and it is noted that the propagational character of the transverse, longitudinal, surface, and reflected waves changes regularly with increasing distance inland. The intensity of

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D228/D305

The procedure and some...

the background interference increases away from the coast. It is suggested that the causes of this are related to the structure of the upper stratum. The depths of the sub-ice basement were obtained at 93 points. The gradual increase in the ice-sheet's thickness according to the measure of removal from the seaboard is revealed (from 150 m near Mirnyy to 2400 m near Pionerskaya). For the first 200 m of the profile, the absolute elevation of the bed varies from - 475 m to + 180 m. Its rise to a maximum height of 700 m above sea-level is noted on the 200 - 775 km section. It is established that the bases of Masson and Drigal'skiy Islands lie below sea-level. [Abstracter's note: Complete translation.] ✓

Card 3/3

S/169/62/000/006/001/093
D228/D305

AUTHORS: Sorokhtin, O.G., Avsyuk, Yu. N. and Kondrat'yev, O.K.

TITLE: Structure of East Antarctica's central sector according to seismic and gravimetric data. (Discourse theses)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 3-4, abstract 6A11 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 107-108)

TEXT: The results are given for complex seismogravimetric investigations of the ice sheet and the geologic structure of the part of Antarctica, extending 2100 km along the profile Mirnyy-Pole of Inaccessibility. The ice sheet is subdivided into a snow-firn layer, pure ice, and moraine. The velocity of elastic waves in the ice increases from 380 m/sec near Mirnyy to 400 m/sec at the pole; this is mainly explained by the decrease in the ice temperature. The ice sheet's maximum thickness is 4 km, the mean being 2.2 km.

Card 1/2

YEFIMOVICH, Ye.K.; NESTEROV, V.V.; TYUTYUNNIKOV, N.F.; SHINKARSKIY, D.G.;
ZABRODA, Yu.P.; KONDRAT'YEV, O.K.; GORODNICHENKO, A.I.

Automatic level control of flotation concentrate in vacuum
filter baths. Avtom.i prib. no.3:21-23 Jl-8 '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR (for Yefimovich,
Nesterov, Tyutynnikov, Shinkarskiy, Zabroda, Kondrat'yev).
2. Dneprodzerzhinskiy koksokhimicheskiy zavod imeni
Ordzhonikidze (for Gorodnichenko).

(Flotation)
(Liquid level indicators)

KONDRAT'YEV, Oleg Konstantinovich; GAMBURTSEV, Azariy Grigor'yevich;
BERZON, I.S., otv. red.; BREUS, T.K., red.izd-va; GUS'KOVA,
O.G., tekhn. red.

[Seismic research in the coastal part of eastern Antarctica]
Seismicheskie issledovaniia v pribrezhnoi chasti Vostochnoi
Antarktidy. Moskva, Izd-vo AN SSSR, 1963. 187 p.

(Antarctic regions--Seismological research) (MIRA 16:10)

AM4016865

BOOK EXPLOITATION

S/

Kondrat'yev, Oleg Konstantinovich; Gamburtsev Asariy Grigor'yevich

Seismic investigations at the littoral part of the Eastern Antarctic Continent
(Seismicheskiye issledovaniya v pribrezhnoy chasti Vostochnoy Antarktidy*)
Moscow, Izd-vo AN SSSR, 63. 0197 p. illus., biblio. 800 copies printed.
At head of title: Akademiya nauk SSSR. Institut fiziki Zemli im. O. YU.
Shmidta.

TOPIC TAGS: antarctic, Soviet antarctic expedition, seismology, seismic prospecting, reflected seismic wave, refracted seismic wave, seismic wave interpretation

PURPOSE AND COVERAGE: The book is devoted essentially to the results of work of the second Soviet antarctic expedition, and is aimed at the development of a procedure for seismic investigations of the ice cap and determination of the thickness of the latter, study of the structure and determination of the seismic characteristics of rocks in the ice cover and the foundation of the continent, and clarification of the nature of the registered waves and the study of the physics of their formation and propagation. Most attention is paid to an

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analysis of refracted waves, which have been hitherto less investigated. In addition to an analysis of the experimental data, there is a theoretical investigation of the propagation of waves in a gradient medium and a discussion of methods of interpretation of their characteristics. The first part was written by O. K. Kondrat'yev, while the third part was written by O. K. Kondrat'yev and A. G. Gamburtsev jointly. The authors thank L. I. El'chaninova who performed the main technical work on calculations and arranging the book.

TABLE OF CONTENTS [abridged]:

Introduction - - 3

Part I. General information of the scope of the work, investigation procedure, and character of the data obtained (Basic information on the structure of the medium, procedure, and type of registered waves; experimental conditions, needed for a correct understanding of the problems dealt with in the succeeding parts.) - - 5

Part II. Waves in a gradient medium

(Both theory and practice. Particular attention is paid to longitudinal reflected waves used to obtain data on the structure of the medium. Study and

Card 2/3

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CIA-RDP86-00513R000824210020-2

KONDRAT'YEV, P.

For peace and friendship. Grazhd. av. 19 no.6:26-27 Je '62.
(MIRA 18:6)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2"

KONDRAT'YEV, P.

"Over invisible barriers" by M.L. Gallai. Reviewed by P.
Kondrat'ev. Grazhd.av. 18 no.7:32 Jl '61. (MIRA 14:8)
(Aeronautics--History)
(Gallai, M.L.)

BUYANOV, N.V.; KONDRAT'YEV, P.A.; KOROTKOV, V.F.

Spectrum analysis by means of a plain, high-voltage spark generator
of high stability. Sbor.trud. TSNIICHM no.31:46-49 '63.

(MIRA 16:7)

(Spectrum analysis) (Electric spark)

KOROTKOV, V.F.; KONDRAT'IEV, P.A.

Automatic pulse generator for spectrum analysis, Sbor. trud,
TSNIICHM no.31:50-52 '63. (MIRA 16:7)
(Oscillators, Electric) (Spectrum analysis)

SOV/137-58-10-21684

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 176 (USSR)

AUTHORS: Bol'shanina, M.A., Kondrat'yev, P.A.

TITLE: Metallographic Studies of the Deformation of Lead (Metallograficheskoye izuchenije deformatsii svintsa)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu Velykoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy un-t, 1957, pp 62-63

ABSTRACT: Investigations were carried out in order to study the microscopic deformations occurring in coarse-grained and fine-grained Pb subjected to static elongation and fatigue tests. A comparison of the microscopic nature of deformations in Pb, Al, and heat-resistant alloys (high temperatures and small strain rates were employed in the case of the latter) revealed an analogy in the laws governing the flow of polycrystalline materials. It is proposed that Pb be utilized as a model in investigations dealing with the behavior of heat-resistant materials at elevated temperatures and small strain rates.

Card 1/1

1. Lead--Deformation 2. Lead--Microanalysis

P.N.

SOV/137-58-10-21687

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 176 (USSR)

AUTHORS: Bol'shanina, M.A., Yelsukova, T.F., Kondrat'yev, P.A.

TITLE: Employment of Tellurium in the Manufacture of Electrical
Cable Sheathing (Primeneniye tellura v kabel'noy promysh-
lennosti)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii posvyashch. 40-letiyu Veli-
koy Oktyabr'sk. sots. revolyutsii, Nr 2. Tomsk, Tomskiy
un-t, 1957, pp 67-68

ABSTRACT: The effect of adding Te to Pb alloys employed in manu-
facture of sheathing for electrical cables was studied. An
addition of 0.02-0.05% Te to the alloy Pb+0.5 Sb improves the
technological properties of the latter and increases its σ_w
value. The addition of Te favors the progress of structural
changes which occur in the alloy and improves its heat-resist-
ant properties (up to 200°C). Mechanical properties of the
alloy, particularly the σ_w , are improved as the Te content is
increased. It is recommended that the Te be introduced in the
form of an Sb-Te alloy. 1. Tellurium---Applications 2. Electric cables
---Shielding 3. Lead-tellurium alloys---Properties P.N.

Card 1/1

VASIL'YEV, L. I.; YEL'SUKOVA, T. F.; BOL'SHANINA, M. A., and KONDRAT'YEV, P. A.

"Vibrational Stability of Certain Lead Alloys USed for Cable Sheathing" Part 1.
p. 234-241, in the book Research in the Physics of Solids, Moscow, Izd-vo AN SSSR,
1957. 277 p. Ed. Bol'shanina, M. A.; Tomsk Universitet, Siberskiy fiziko-
tekhnicheskiy institut.

Personalities: Samoylov, V. N.; Obolentsev, A. V.; and Vasil'yev, L. I., Mateiarals
studied: a total of 13 lead alloys: binary alloys of lead with antimony, tin,
cadmium, bismuth, and tellurium; ternary alloys of lead-antimony-tin, lead-antimony-
tellurium, lead-antimony-arsenic, lead-antimony-sodium, and lead-antimony-selenium;
quaternary alloys of lead-antimony-tin-copper and led-tin-bismuth-arsenic. Research
was done from specifications of the Tomkabel' plant with the participation of engineers
of this plant. There are 4 figures, 3 tables, and 4 Soviet references.

This collection of articles is meant for metallurgical physicists and for
engineers of the metal-working industry. This book contains results of
research in the field of failure and plastic deformation of materials, mainly
of metals. Problems of cutting, abrasion, friction, and wear of solid materials
(metals) are discussed.

BOL'SHANINA, M. A.; YELSKUVA, T. F.; KONDRAT'YEV, P. A., and FOMINA, M. A.

"Vibrational Stability of Certain Lead Alloys Used for Cable Sheathing, Part 2. p. 242-261, in the book Research in the Physics of Solids, Moscow, Izd-vo AN SSSR, 1957. 277 p. Ed. Bol'shanina, M. A.; Tomsk Universitet, Siberskiy fiziko-tehnicheskiy institut.

Personalities: Zakharov, P. A.; Pereslegin, V. A.; Dnestrovskiy, N. Z., and Shpagin, A. I., Materials studied included 19 different lead alloys: Binary alloys of lead-antimony, lead-cadmium, lead-tin, lead-bismuth, and lead-tellurium; ternary alloys of lead-antimony-tin, lead-antimony-sodium, lead-antimony-arsenic, lead-antimony-tellurium, and lead-antimony selenium; quaternary alloys of lead-antimony-tin-copper and lead-antimony-bismuth-arsenic. There are 17 figures, 4 tables, and 12 references, 3 of which are Soviet, 1 German, and 8 in English.

This collection of articles is meant for metallurgical physicists and for engineers of the metal-working industry. This book contains results of research in the field of failure and plastic deformations of materials, mainly of metals. Problems of cutting, abrasion, friction, and wear of solid materials (metals) are discussed.

KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Mechanism of fatigue rupture in lead. Izv. vys. ucheb. zav.; fiz.
no.4:84-87 '59.
(MIRA 13:3)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosuniversitete
imeni V.V. Kuybysheva.

(Lead--Fatigue)

8(2)

AUTHORS: Korotkov, V. F., Kondrat'yev, P. A., Sobolev, A. A. SOV/32-25-3-47/62

TITLE: Electron Time Relay for Spectral Analysis (Elektronnoye rele vremeni dlya spektral'nogo analiza)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, p 367 (USSR)

ABSTRACT: The electron time relay described has several favourable characteristics: variations of the voltage of \pm 20 volt do practically not affect the operation of the relay, a determination of the combustion time and the exposure can be carried out with an accuracy of \pm 0.2%. The relay works without transformer, an initial heating of the device prior to operation is unnecessary, and it can be manufactured in a plant laboratory. A diagram based on the common standard relay type MKU-48 is given (Fig). The description shows an application of capacitors of the types KM BG and KB, a voltage stabilizer SG 1 P, resistances VS-5 and VS-0.25, VS-0.5, VS-1 and VS, and a thyratron MTKh-90. The device can be set to any combustion and exposure time by changing the resistances. The time relay allows analyses with or without electrode combustion. There are 1 figure and 2 Soviet references.

Card 1/2

Cent. Sci Res Inst. Ferrous Metallurgy

Kondrat'yev, P.A.

PHASE I BOOK INFORMATION

SO/4164

Исследование сверхпроводимости по сплавам редких металлов. Лт. Монегор. 1957

First All-Union Conference on Rare-Metal Alloys; Transactions of the
All P. 3,190 copies printed.

Sponsoring Agencies: Academy of SSSR. Institute metallurgii. Moscow, Metallurgizdat, 1960.

Author(s) on rare-metal alloys per Russian-Cabotachekhovskii.

M.I. I.I. Sverdlov, Ed. of Publishing House: O.N. Kuznetsov, Tech. Ed.

PURPOSE: This collection of articles is intended for metallurgical engineers,

physicists, and workers in the machine-building and radio-engineering industries.

CONTENTS: The collection contains technical papers which were presented and discussed at the First All-Union Conference on Rare-Metal Alloys, held in the Institute of Metallurgy Academy of Sciences USSR in November 1957. Results of investigations of rare-metal alloys, titanium, and copper-base alloys with additions of rare metals are presented and discussed along with investigations of rhodium, vanadium, cobium, and their alloys. The effect of rare-earth metals on properties of magnesium alloys and steels is analyzed. The uses of rhodium as a deoxidizing catalyst, electropolishing material, and material suitable for casting pliers for automobile electrical systems are discussed. In addition, the effect of the addition of certain elements on the properties of heat-resistant semiconducting alloys are discussed. No personalities are mentioned. Series:

PART II. TITANIUM AND COPPER-BASE ALLOYS WITH RARE-EARTH ADDITIONS

Rare Metals (Cont.)

SO/4164

PART VI. ALLOYS WITH SPECIAL PHYSICAL PROPERTIES

Zhdanov, G.S., I.P. Bulygina, A.A. Stepanov, and M.M. Danilev. Fury

366

Analysis of Compounds of Boron with Rare Metals

372

Zhdanov, G.S., I.A. Moshkov, and G.I. Tolstaya. Investigation of Super-

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conducting Elements and of Silicium-Cobalt Alloys

372

Belyashova, M.M., T.P. Vol'fson, and P.A. Kondrat'yev. The Use of Tell-

381

urium in the Glass Industry

381

Semenov, A.V., and V.I. Meshcheryakov. Alloys of Rare Metals with Boron and

392

Silicon [and] for Certain Radio and Electrotechnical Purposes

392

Akhiezer, I.B. Rare Elements in Semiconducting Materials

418

Kolchin, I.O. New Photo-catalysis on Semiconductor Irradiation Gassing. Metal

428

PART VII. RESUME

AVAILABLE: Library of Congress

Card 4/8

W/mv/ka
10/1/60

KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Formation of cracks at the edges of annealing twins in lead because
of fatigue. Izv.vyschucheb.zav.; fiz. no.2:127-128 '60.
(MIRA 13:8)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosuniversitete
im. V.V.Kuybysheva.
(Lead—Fatigue)

BOL'SHANINA, M.A.; KONDRAT'YEV, P.A.

Metallographic study of the formation of the sub structure in
lead in stress deformation. Izv.vys.ucheb.zav.; fiz. no.3:
119-122 '60. (MIRA 13:7)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom
gosuniversitete im. V.V.Kuybysheva.
(Lead--Metallography)

BUTKEVICH, L.M.; KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Magnitude of the energy of packing defects in lead. Fiz.met.i
metalloved. 14 no.5:783-784 N '62. (MIRA 15:12)

1. Sibirskiy fiziko-tekhnicheskiy institut.
(Crystal lattices—Defects)

KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Structure of deformed lead. Izv. vys. ucheb. zav; fiz. no.1:
99-102 '63. (MIRA 16:5)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom
gosudarstvennom universitete imeni V.V.Kuybysheva.
(Deformation (Mechanics)) (Lead)

KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Deformations at grain boundaries in lead. Izv.vys.ucheb.zav.; fiz.
no.3:103-104 '63. (MIRA 16:12)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

KONDRAT'YEV, P.A.; BOL'SHANINA, M.A.

Mechanism underlying the formation of dislocation bands in lead.
Izv. vys. ucheb. zav.; fiz. no.5:38-40 '64.

(MIRA 17:11)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

SOROKINA, N.N.; KONDRAT'YEV, P.A.

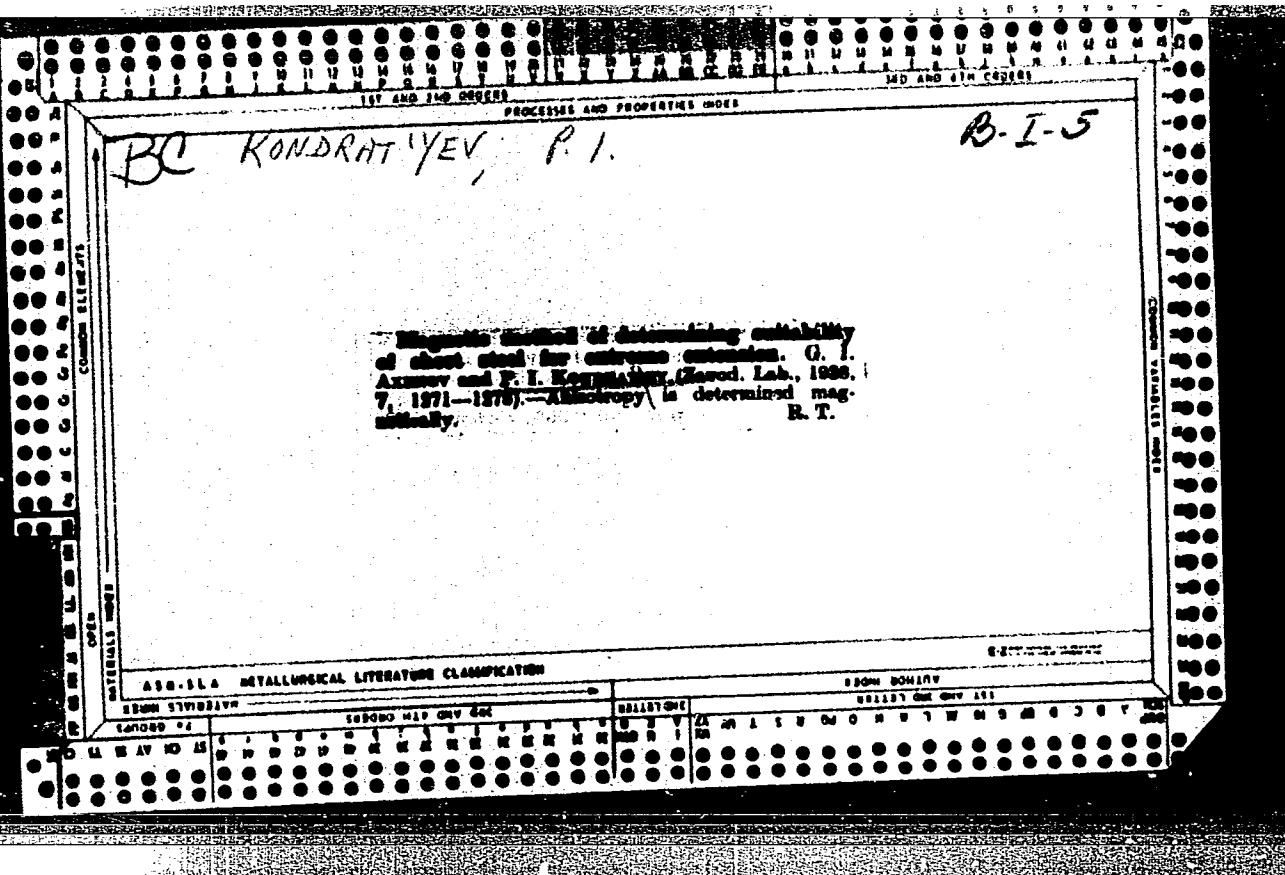
Spectral method of determining carbon based on cyanogen spectra.
Zav. lab. 31 no.11:1344-1345 '65. (MIRA 19:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-lurgii imeni Bardina.

KONDRAT'EV, P. I.

27733. KONDRAT'EV, P. I. i AKSEMOV, G. I.--vybor optimal'nykh usloviy pri izmerenii napryazhenii rentgenovskim metodom. v sb: problemy metallovedeniya i fiziki metallov. N., 1949, S. 333-43. Bibliogr; S nazv.

SO: "etopis' Zhurnal'nykh Statey, vol. 37, 1949.



KONDRAHIT'YEV, P.I.

AKSENOV, G.I., prof.; KONDRAT'YEV, P.I.

Selecting best conditions for x-ray measurement of strains. Probl.
metalloved.i fiz. met. no.[1]:333-343 '49. (MIRA 11:4)

1.Laboratoriya napryazheniy TSentral'nogo nauchno-issledovatel'skogo
instituta chernoy metallurgii.

(Strains and stresses)
(X rays--Industrial applications)

KONDRAT'YEV, P. I.

Kondrat'yev, P. I.

"Investigation of the anisotropy of steel sheet." Acad Sci Ukrainian SSR. Inst of Ferrous Metallurgy. Dnepropetrovsk, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

KONDRAT'EV, P. K.

25856

Stepen'vrednosti klevera, porazhennago povilikoy, priskarmlivaniu ego sel'skoshosyay-stvennym zhivotnym. Trudy Vsesoyuz. Nauch-issled, in-ta zhivotnovodstva, T. XVII, 1949, s. 140-55 - Bibliogr. 17 Nasv.

SO: Letopis' No. 34

KONDRA'T'YEV, P.V., Cand Agr Sci—(disc) "Use ^{use} different
sows in ^{profitable} hog-raising." Los, 1958. 15 pp (Mos Ordor
of Lenin Agr Acad im K.A. Timiryazov), 110 copies (KI,22-58,111)

-131-

KONDRAT'YEV, P.P., prof. (Leningrad, L-9, pr. K. Marks, d.7, kv.6)

Intermediate vertebra of the lumbosacral region and its significance
in the genesis of lumbar pains [with summary in English]. Vest.khir.
82 no.3:122-128 Mr '59. (MIRA 12:4)

1. Iz kafedry ortopedii i travmatologii (nach. - prof. I.L. Krupko)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(BACKACHE, etiol. & pathogen.

role of intermediate vertebra of lumbosacral region
(Rus))

(LUMBOSACRAL REGION

role of intermediate vertebra in etiol. of lumbar
pain (Rus))

27.1220

25255

S/177/60/000/007/010/011
D264/D304

AUTHORS: Korchanov, L.S., Candidate of Medical Sciences,
Colonel, Medical Corps, and Kondrat'yev, P.P.,
Professor

TITLE: X-ray diagnosis of gas gangrene combined with
radiation sickness

PERIODICAL: Voyenno-meditsinskiy zhurnal, no. 7, 1960, 55-60

TEXT: Using X-ray diagnosis, the authors studied experimental gas gangrene in dogs affected with penetrating radiation. The animals were infected with a mixture of Clostridium perfringens and Clostridium edematiens. In one of the test series dogs with a fractured femur were infected. All dogs contracted a rapidly progressive form of gas infection, usually leading to death on the first or second day. After infection the animals were kept under close observation and the damaged extremities were X-rayed after 3, 6, 12 and 24 hours. A detailed account of 5 case histories of dogs used in the tests is given. The results showed that X-ray study is

Card 1/2

X-ray diagnosis of gas gangrene...
25255

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the earliest means of diagnosing the stormily progressive form of gas gangrene. Gas was detected in the soft tissues of the damaged extremity 1-3 hours after infection, i.e. at a time when clinical symptoms are not yet marked. The gas-formation process developed identically in both non-irradiated animals and in animals subjected to penetrating radiation before infection. The X-ray method proved to be the basic method of diagnosis in animals infected at the height of acute radiation sickness. A definite parallelism was noted between the clinical symptoms of gas gangrene and the X-ray picture: the graver the gangrene, the more varied and extensive were the foci of pathological clarifications on the X-ray plates. S.A. Novitskiy, A.P. Minakov, L.M. Gol'dshteyn, I.M. Yakhnich, B.M. Shtern, S.I. Volkov, R.I. Kurashov are mentioned as Soviet scientists who have studied the efficacy of X-ray diagnosis of gas gangrene. Reference is also made to A.N. Chistovich, A.K. Ageyev and A.A. Troitskiy. There are 4 figures.

SUBMITTED: March, 1959

Card 2/2

KRUPKO, I.L., prof.; KONDRAT'YEV, P.P., prof.; TKACHENKO, S.S., dots.

Lumbar pains and their treatment. Ortop., travm.i protez. no.9:
62-73 '61.
(MIRA 14:10)

1. Iz kafedry travmatologii i ortopedii (nach. - prof. I.L.
Krupko) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.
Kirova.

(SPINE—DISEASES)

KONDRAT'YEV, P.S.; KONDRATYUK, Ye.M.

Pines with broad and narrow crowns. Bot. zhur. [Ukr.] 9 no. 3:72-76 '52.

(MLRA 6:11)

1. Moskovs'ka ordena Lenina sel's'kohospedars'ka akademiya im. K.A. Timiryasyeva i Instytut botaniki Akademiyi nauk Ukrayins'keyi RSR. (Pine)

Kondrat'yev, P.S.

USSR / Forestry. Biology and Typology of the Forest. K-2

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1317

Author : Kondrat'yev, P.S.

Inst : Moscow Agricultural Acad imeni K.A. Timiryazev

Title : The Area of Tree Nourishment

Orig Pub: Dokl. Mosk. s.-kh. akad. imeni K.A. Timiryazeva,
1956, 1, No. 26, 300-305

Abstract: The nourishment area of the pine was studied by measuring the length and diameter of tree crowns on the experimental estate of the Agricultural Academy imeni K.A. Timiryazev, in several lumbering operations of Moscow Oblast', and in the forests of Latvia, Estonia, and the Ukraine. The area of the crown was measured not

Card 1/3

KONDRA'T 'YEV, P. S.

USSR/Forestry - Forest Management.

K-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20152
 Author : Kondrat'ev, P.S.
 Inst : -
 Title : The Interrelation Between the Pine's Crown and Trunk Diameter
 Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 29, 332-338

Abstract : This research was made in various oblasts in the European part of the USSR. 54 experimental areas were set aside. It was established that in the full pine stands there exists a direct interrelation between the crown and trunk diameters. The size of the crown depends on the class of growth. However, the following formula may be assumed on the average, expressing the correlation between the diameters of the crown and trunk: D of the crown = 10 d of the trunk + 100.

Card 1/2

COUNTRY : USSR
 CATEGORY : Forestry. Biology. Typology. K
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 63179
 AUTHOR : Kondrat'ev, P. S.
 INSTIT. : Moscow Agricultural Academy imeni K. A. Timiryazev
 TITLE : The Crown Form of Pine and the Eccentricity of the Trunk
 ORIG. PUB. : Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1957,
 vyp. 31, 313-319
 ABSTRACT : On the basis of the results of observations made on 22 sample trees selected in the TAA Forest resort and in the Kurovskiy forestry (Moscow oblast), the earlier-held opinion about the connection between the eccentricity of the trunk and the form of the crown is refuted. It is stated that, according to the observations, the eccentricity depends on the deformation of the trunk caused by the substitution of side branches for top shoots.

* Timiryazev Agricultural Academy

KONDRAT'YEV, P.S., kand. sel'skokhozyaystvennykh nauk

Results obtained in observing the development of pine plantations
of various density. Izv.TSKhA no.2:141-154 '59.

(MIRA 12:8)

(Pine) (Plants, Space arrangement of)

ANUCHIN, Nikolay Pavlovich, prof.; LEVIN, V.I., retsenzent; KONDRAT'YEV,
P.S., red.; FUKS, Ye.A., red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[Forest valuation] Leanaia taksatsiia. Izd.2., ispr. i dop.
Moskva, Goslesbumizdat, 1960. 529 p. (MIRA 14:4)

1. Zaveduyushchiy kafedroy taksatsii lesa Arkhangel'skogo leso-
tekhnicheskogo instituta (for Levin).
(Forests and forestry--Valuation)

NESTEROV, V.G. KONDRAT'YEV, P.S.

Mikolai Stepanovich Nesterov. Inv. TSKhA no.6:232-233 '60.
(MIRA 13:12)
(Nesterov, Mikolai Stepanovich, 1860-1926)

GERASIMOV, Mikhail Vasil'yevich; KONDRAT'YEV, P.S., red.; SVETLAYEVA,
A.S., red. izd-va; BACHURINA, A.M., tekhn. red.

[Eucalyptus] Eukalipt. Moskva, Goslesbumizdat, 1962. 75 p.
(MIRA 16:3)
(Eucalyptus)

BABKIN, I.A.; BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VOZNISENSKIY, V.V.;
DANILYUK, V.S.; ZAPOL'SKIY, G.N.; ZUBKIN, A.S.; IL'YASHEV, A.S.;
KIPRIYAN, K.M.; KONDRAT'YEV, P.V.; KORABLEV, M.D.; LEBEDEVA,
Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.;
POPOV, A.V.; SEREBRYAKOV, V.A.; KANEVSKAYA, M.D., red.; ANDRIANOV,
B.I., tekhn.red.

[Protecting the public from present-day means of destruction;
a textbook for organizations of the All-Union Voluntary Society for
the Promotion of the Army, Aviation, and Navy] Zashchita naseleniya
ot sovremennykh sredstv porazheniya; uchebnoe posobie dlia organi-
zatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii,
aviatsii i flota. Moskva, Izd-vo DOSAAF, 1958. 334 p. (MIRA 12/4)
(Civil defense)

PHASE I BOOK EXPLOITATION

SOV/4160

Kondrat'yev, Petr Vladimirovich

Vertolety i ikh primeneniye (Helicopters and Their Utilization) Moscow,
Izd-vo DOSAAF, 1960. 158 p. 15,500 copies printed.

Eds.: A.A. Vasil'yev and A.V. Murychev; Tech. Ed.: F.Ya. Faynshmidt.

PURPOSE: This book is intended for the general reader.

COVERAGE: The author gives a brief history of the development of helicopters, describing various helicopter designs, applications, and operation. The book is based on Soviet and non-Soviet materials. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Introduction	3
Ch. I. Short History of the Development of Helicopters	5
Ch. II. Various Helicopter Systems	18

~~Card 1/2~~

Kondrat'yev, Petr Vladimirovich

Vertolety (Helicopters) Moscow, Izd-vo "Znaniye", 1960. 48 p.
42,000 copies printed. (Series: Vsesoyuznoye obshchestvo po
rasprostraneniyu politicheskikh i nauchnykh znanii. Seriya
IV. Nauka i tekhnika, no. 4)

Ed.: T. F. Islankina; Tech. Ed.: Ye. V. Savchenko.

PURPOSE: This booklet is intended for the general reader.

COVERAGE: The author briefly describes the history of the development of helicopters, emphasizing Soviet achievements in this field. He lists the main types and uses of helicopters and indicates future development. A number of designers and scientists in the helicopter field are mentioned in the text. There are 18 references, all Soviet.

TABLE OF CONTENTS:

History of the Helicopter	5
---------------------------	---

~~Card 1/2~~

KONDRAT'YEV, Petr Vladimirovich; KAPLUNOV, A.S., red.; RAKITIN, I.T.,
tekhn. red.

[Heros of the skies; stories about test pilots] Geroi nebesnykh
prostorov; rasskazy o letchikakh-ispytateleakh. Moskva, Izd-vo
"Znanie," 1961. ~46 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu
politicheskikh i nauchnykh znanii. Ser.19, Molodezhnaya, no.21)
(MIRA 14:11)

(Airplanes—Flight testing) (Air pilots)

KONDRAT'YEV, P.V.; VASIL'YEV, A.A., red.; IZAKSON, A.M., red.;
MUKHINA, Ye.S., tekhn. red.

[Manual for training helicopter pilots; sporting aviation] Po-
sobie po podgotovke letchika vertoleta; sportivnoi aviatsii.
Moskva, Izd-vo DOSAAF, 1962. 174 p. (MIRA 15:12)
(Helicopters—Piloting)

KONDRAT'YEV, P.V.; VASIL'YEV, A.A., red.; ISAKSON, A.M., red.;
MUKHINA, Ye.S., tekhn. red.

[Manual for the training of a helicopter pilot; sports flying]
Posobie po podgotovke letchika vertoleta (sportivnoi aviatsii).
Moskva, Izd-vo DOSAAF, 1962. 174 p. (MIRA 15:9)
(Helicopters) (Flight training)

KONDRAT'YEV, P.V.; VASIL'YEV, A.A., red.; IZAKSON, A.M., red.;
MUKHINA, Ye.S., tekhn. red.

[Manual for training helicopter pilots (sport aviation)] Po-
sobie po podgotovke letchika vertoleta (sportivnoi aviatsii).
Moskva, Izd-vo DOSAAF, 1962. 174 p. (MIRA 16:2)
(Helicopters--Piloting) (Flight training)

KONDRAT'YEV, P.V.

At the sixth session of the International Organization of
Standardization. Standartizatsiia 29 no.3:61-64 Mr '65.
(MIRA 18:5)

KONDRAT'YEV, R.B. (Leningrad)

Designing narrow-panel ceilings. Stroi. mekh. i rasch. soor. 2
no. 2:36-41 '60. (MIRA 14:5)
(Ceilings)

KONDRAT'YEV, R.B.

KONDRAT'YEV, R.B.

"The Effect of the Time and Method of Harvesting on the Yield
and Quality of Millet." Cand Agr Sci, Kuban Agricultural Inst, Min
Higher Education USSR, Krasnodar, 1955. (XL, No 12, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dis-
sertations Defended at USSR Higher Educational Institutions (15)

LISOVSKIY, G.M., kand.sel'skokhozyaystvennykh nauk; KONDRAT'YEV, R.B.,
kand.sel'skokhozyaystvennykh nauk

Conditions for determining volume weight in the evaluation of
grain quality. Zemledelie 23 no.9:74-76 S '61.
(MIRA 14:12)

(Grain)

AL'BENSKIY, A.V.; VASIL'YEV, M.Ye.; KONDRASHOV, B.V.; KONDRAT'YEV, R.B.;
TARASENKO, A.N.; ZAKHAROV, P.S.; LYUBIMOV, V.P.

This is what scientists say about shelterbelts. *Zemledelie*
(MIRA 18:10)
27 no.1(24-27 0 '65.

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta agrolesomelioratsii. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Al'benskiy).
2. TSelinogradskiy sel'skokhozyaystvennyy institut (for Vasil'yev).
3. Direktor Povolzhskoy agrolesomeliorativnoy opytnoy stantsii (for Kondrashov).
4. Krasnoyarskiy sel'skokhozyaystvennyy institut (for Kondrat'yev, Tarasenko).
5. Novocherkasskiy inzhenerno-meliorativnyy institut (for Zakharov, Lyubimov).

KONDRAT'YEV, S. F.

VOLODARS'KA, D.M.; GOROKHOVS'KYI, M.B.; KONDRAT'YEV, S.F.; PRAKHOV, M.M.; KOVPAHENKO, T.M.; SUKHEMKO, Ye.K.; LYASHEVS'KA, V.P.; ZHEL'NIQ, T.M.; KHIVRICH, G.K.; GEORGIYEVSKYY, M.I.; HAYVEL'IT, E.M.; DEMISENKO, L., veduchiy redaktor; PATSALYUK, P., tekhnichniy redaktor

[Hints for everyday living] Pobutovi porady: Vyd. 3-ie, vypr. i dop. Kyiv, Dersh. vyd-vo tekhn.lit-ry URSR, 1957. 184 p.
(Home economics)

KONDRAT'YEV, Sergey Fedorovich; SADOVNIKOVA, Tat'yana Akimovna;
OSOVSKAYA, I., red.; NEVCHENKO, I., tekhn.red.

[Protecting wood against decaying fungi and beetles] Zashchita
drevesiny ot gnieniia i rasrusheniiia zhukami. Kiev, Gos.isd-vo
lit-ry po stroit. i arkhit.USSR, 1959. 197 p. [Tables for
visual determination of defects in wood] Tablitsy dlja
visual'nogo opredelenija porokov drevesiny. 16 plates.
(MIRA 13:4)

(Wood preservation)

KONDRAT'YEV, S.G., teknik

Use a mirror in checking contactors in KMTP control boards.
Energatik 12 no.5:31 My '64. (MIRA 17:6)

KONDRAT'YEV, S. N.

"The Problem of the Physicochemical Behavior of a Sulfur Trioxide
Solution." Cand Chem Sci, Kazan'Chemicotechnological Inst, Kazan',
1954. (RZhKhim, No 17, Sep 54)

SO: Sum 432, 29 Mar 55

SOV/78-3-10-4/35

AUTHORS: Kondrat'yev, S. N., Kuznetsov-Fetisov, L. I.

TITLE: On the Production of Anhydrous Liquid Sulfur Trioxide in the Laboratory (O poluchenii bezvodnoy zhidkoy trekhokisi sery v laboratornykh usloviyakh)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 10, pp 2240-2243 (USSR)

ABSTRACT: A simple method was described by which SO_3 can be produced under laboratory conditions. Impurities due to polymerized products are avoided by this method. Moist SO_3 is produced by distillation of sulfuric acid of 60%, while potassium dichromate is added (for the oxidation of SO_2), followed by distillation at 80-100°C. An apparatus was described (Fig 1) by means of which anhydrous SO_3 can be produced. The melting point of anhydrous SO_3 is $16,79 \pm 0,02^\circ$ which compares well with the value mentioned in the references ($16,8^\circ$). The method described makes it possible to produce 400-500 g of chemically pure sulfur trioxide in the

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SOV/78-3-10-4/35

On the Production of Anhydrous Liquid Sulfur Trioxide in the Laboratory

laboratory, which polymerizes on standing at a temperature not lower than 17°C. The dehydration of SO₃ by means of phosphorus pentoxide does not lead to a uniform product. The preparations obtained have different melting points. The temperature range of the melting point depends on the method of dehydration and the drying time. There are 1 figure and 11 references, 3 of which are Soviet.

ASSOCIATION: Kazanskiy khimiko-tehnologicheskiy institut im. S. M. Kirova
(Kazan' Institute of Chemical Technology imeni S. M. Kirov)

SUBMITTED: July 17, 1957

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05849
SOV/78-4-11-2/505(2)
AUTHOR:Kondrat'yev, S. N.TITLE: On the Possibility of Identifying β -Sulphur Trioxide by Means
of the Melting PointPERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 11,
pp 2423-2427 (USSR)ABSTRACT: A survey of publications shows that the number of solid modifications of SO_3 as well as their data and composition are not generally accepted. Only the icelike γ -modification (melting point: 168°C) can be easily prepared. In cooperation with T. A. Gal'tseva the author investigated the thermal conditions of the production of the β -modification from the liquid phase. In addition to the stable γ -modification, he obtained three varieties formed in the presence of water traces: (1) silky, needle-shaped crystals; (2) asbestoid, loose fibers; (3) a similar asbestoid variety of low vapor pressure. As the two first-mentioned varieties correspond with the β -modification described by A. Smits and P. Schoenmaker (Refs 7,8) as far as their vapor pressure is concerned, they are termed β -forms while the third

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SOV/78-4-11-2/50

On the Possibility of Identifying β -Sulphur Trioxide by Means of the Melting
Point

variety of low vapor pressure is called α -form. The melting points were determined in Stepanov ampules (Fig 1) by means of a platinum thermometer and an F. E. Smith measuring bridge (Ref 11) with an MKMS resistance box. Figure 2 and tables 1 and 2 show that the β -form has no stable melting point; its behavior and appearance is largely dependent on the pretreatment. Whereas Smits's and Schoenmaker's data were confirmed which indicate that three forms of SO_3 can be obtained, these

forms are no polymorphous modifications according to the phase rule. The asbestoid β -form has no constant melting point, but melts within the range $32-45^{\circ}\text{C}$. The melting range as well as the range of formation of solid $\beta\text{-SO}_3$ from the liquid are not

limited. The behavior of the β -form does not agree with the theory of allotropy by Smits. It is therefore no modification, but its properties depend on the conditions under which liquid SO_3 polymerizes. There are 2 figures, 2 tables, and 17 references, 2 of which are Soviet.

Card 2/3

KONDRAT'YEV, S.M.; KUZNETSOV-PETISOV, L.I.

Inhibition of liquid sulfur trioxide polymerization by boric
anhydride. Trudy KKETI no.26:161-166 '59. (MIRA 15:5)

1. Kafedra fizicheskoy i kolloidnoy khimii Kazanskogo khimiko-
tekhnologicheskogo instituta imeni S.M.Kirova.
(Sulfur trioxide) (Polymerization)
(Boron oxide)

S/064/60/000/005/012/021/XX
B024/B070

AUTHOR: Kondrat'yev, S. N.

TITLE: Stabilized Sulfur Trioxide

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 5, pp. 31 - 35

TEXT: The use of pure SO_3 as sulfonation agent opens many industrial possibilities, particularly for the development and improvement of organic synthesis.¹ With liquid SO_3 , however, difficulties are encountered on account of the tendency of this product toward polymerization. For this reason, the Nauchnyy institut po udobreniyam i insektofungitsidam (Scientific Institute for Fertilizers and Insectofungicides) engaged itself in 1944 with the problem of stabilization of SO_3 , and this work was carried on in collaboration with the Kazanskiy khimiko-tehnologicheskiy institut (Kazan' Institute of Chemical Technology). The polymerization of liquid SO_3 is prevented either by storing it at a temperature higher than 30°C , or by the introduction of a stabilizer. Very

Card 1/2

KLYUCHEROV, A.P.; KONDRAK'YEV, S.N.; Prinimali uchastiye: GUSAROV, F.V.;
UDOVICHENKO, V.G.; PETROV, G.A.; BURKSER, V.Ye.; SHMONIN, I.A.;
KUDRIN, Ye.A.; GALAKHMATOV, S.N.; ZIMINA, L.P.; SHISHARIN, B.N.;
KOMDYURINA, R.V.; BURMISTROV, K.A.; SHIRNIN, I.A.; SIMONENKO, F.N.;
GORSHILOV, Yu.V.; KOLPAKOV, B.V.; GUSAROV, A.K.; BOLOTOV, P.G.

Heat insulation of open-hearth furnace crowns. Metallurg 5 no.11:
14-17 N '60.
(MIRA 13:10)

1. Nizhe-Tagil'skiy metallurgicheskiy kombinat.
(Open-hearth furnaces--Design and construction)
(Insulation (Heat))

KONDRAT'YEV, S.N.

Stabilized sulfuric anhydride. Khim.prom. no.5:383-388 J1-Ag
'60. (MIRA 13:9)
(Sulfur trioxide)

KONDRAT'YEV, S.N.; KLYUCHEROV, A.P.; UDOVENKO, V.G.; SHIRNIN, I.A.;
VIDRINA, Zh.A.

Rapid methods of repair and the fritting of new hearth bottoms.
Metallurg 6 no.9-10-13 S '61. (MIRA 14:9)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.
(Open-hearth furnaces--Maintenance and repair)

KLYUCHEROV, Anatoliy Petrovich; KONDRAT'YEV, Sergey Nikolayevich;
LEBEDEV, Aleksandr Aleksandrovich; VLASOV, Radem Vasil'yevich;
LITVISHKO, V.N., insh., retsenzent; BUR'KOV, M.M., insh., red.;
LEPINNSKIKh, B.M., kand. tekhn. nauk, red.; KOROL', V.P., tekhn.
red.

[Work experience of Novotagil'skoye steel smelters] Opyt raboty
nizhnetagil'skikh staleplavil'shchikov. Sverdlovsk, Metallurg-
izdat, 1963. 93 p. (MIRA 16:4)
(Novotagil'skoye--Open-hearth process)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2

KONDRAT'YEV, S.N.; KUZNETSOV-FETISOV, L.I.; ZINKICHEVA, K.A.

Vapor pressure, density, and viscosity of stabilized sulfur
trioxide. Trudy KKHTI no.30:198-204 '62. (MIRA 16:10)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2

KONDRAT'YEV, S.N.; ILLARIONOV, V.V.; AMELIN, A.G.; MAKAROVA, Ye.I.

Preparation of stabilized sulfuric anhydride under pilot-plant
conditions. Trudy MKHTI no.30:205-212 '62. (MIRA 16:10)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210020-2"

PETROV, G.A.; KLYUCHEROV, A.P.; KONDRAT'YEV, S.N.; KORSHUNOV, V.S.; SIMONENKO,
F.N.

Rapid methods of heating and fritting the hearth bottom of high ca-
pacity open-hearth furnaces. Stal' 23 no.7:611-615 Jl '63.

(MIRA 16:9)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Vostochnyy nauchno-
issledovatel'skiy i proyektnyy institut ogneuporov.
(Open-hearth furnaces—Maintenance and repair)

DUBROV, N.F.; KITAYEV, B.I.; KOKAREV, N.I.; UDOVENKO, V.G.; KONDRAT'IEV, S.N.;
ZATULOVSKAYA, Ye.Z.; KLYUCHEROV, A.P.

Review of the book by N.A.Vecher "Highly efficient operation of
open-hearth furnaces." Stal' 24 no.7:613-614 Jl '64.

(MIRA 18:1)

I. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov,
Ural'skiy politekhnicheskiy institut i Nizhne-Tagil'skiy metallurgi-
cheskiy kombinat.

VYDRINA, Zh.A.; KONDRAT'YEV, S.N.; ABDULINA, M.A.; SIMONENKO, F.N.;
AKSEL'ROD, L.M.; SHIRNIN, I.A.

Efficiency of using finely milled powders for repairing and
fritting hearth bottoms of open-hearth furnaces. Stal' 24
no.11:989-991 N '64. (MIRA 18:1)

VISLOGUZOV, G.I., inzh.; RABINOVICH, D.M., inzh.; ORLOVA, N.I., inzh.;
SHMANNIN, I.A., inzh.; KOMPANIYETS, G.M., inzh.; KONDRAT'YEV,
S.N., inzh.; LOSHKINA, N.A., inzh.

Nonmetallic inclusions in rails in various methods of deoxidizing
steel. Stal' 25 no.6:557-559 Je '65. (MIRA 18:6)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.

NIKULIN, I.M.; BELOV, I.V.; KONDRAT'YEV, S.N.; KLYUCHEROV, A.P.;
SMISHAREN, B.N.

Cleaning the checkerwork, checker flues, and smoke flues from
flue dust during the operation of an open-hearth furnace. Stal'
25 no.6:566-567 Je '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy,
teplotekhniki i Nizhne-Tagil'skiy metallurgicheskiy kombinat.

KONDRAT'YEV, S.P.

OVSYANNIKOV, F.V.; BORODULIN, F.R., professor, redaktor; KUZ'MIN, M.K.;
MAKAROV, Yu.T. [translator] (deceased); GUSYATINSKAYA, V.S.,
kandidat filologicheskikh nauk [translator] ZASUKHIN, D.N., doktor
biologicheskikh nauk, redaktor; KONDRAT'YEV, S.P., professor,
redaktor; GLUKHOYEDOVA, G.A., tekhnicheskiy redaktor.

[Selected works] Izbrannye proizvedeniia. Moskva, Gos.izd-vo med.
lit-ry. 1955. 398 p. (MLRA 8:10)
(BIOLOGY)

KONDRAT'YEV, S.P., inzh., otv. za vypusk

[Schedule of suburban trains; Moscow-Volokolamsk, Kalinin Railroad; summer 1959] Raspisanie dvizheniya prigorodnykh poezdov Moskva-Volokolamsk Kalininskoi zh.d.; leto 1959 goda. Moskva, Transsheldorizdat, 1959. 70 p. (MIRA 12:8)

1. Moskovsko-Rizhskoye oddeleniye Kalininskoy dorogi (for Kondrat'yev.
(Moscow region--Railroads--Timetables)

KONDRAT'YEV, S.S. (Kalinin)

Laying sewer pipes in highly saturated ground by the use of a
metal box. Vod. i san. tekhn. no. 3:38 Mr '61. (MIRA 14:7)
(Kalinin—Sewerage)

BRUDASTOVA, Mariya Alekseyevna; KONDRAT'YEV, Timofey Terent'yevich;
MUKHINA, Ye.M., red.; PULUYEKHINA, N.I., tekhn. red.

[Mechanization of work in fish pond management] Mekhani-
zatsiya rabot v prudovykh rybovodnykh khoziaistvakh. Mo-
skva, Rybnoe khoziaistvo, 1962. 22 p. (NIRA 16:6)
(Fish ponds)

KONDRAT'YEV, V., kapitan militsii

"Record-holder." 2a besop.dvish. 4 no.1:7 Ja '62. (MIRA 16:7)
(Drinking and traffic accidents)